



Active Noise Control Technical Issues

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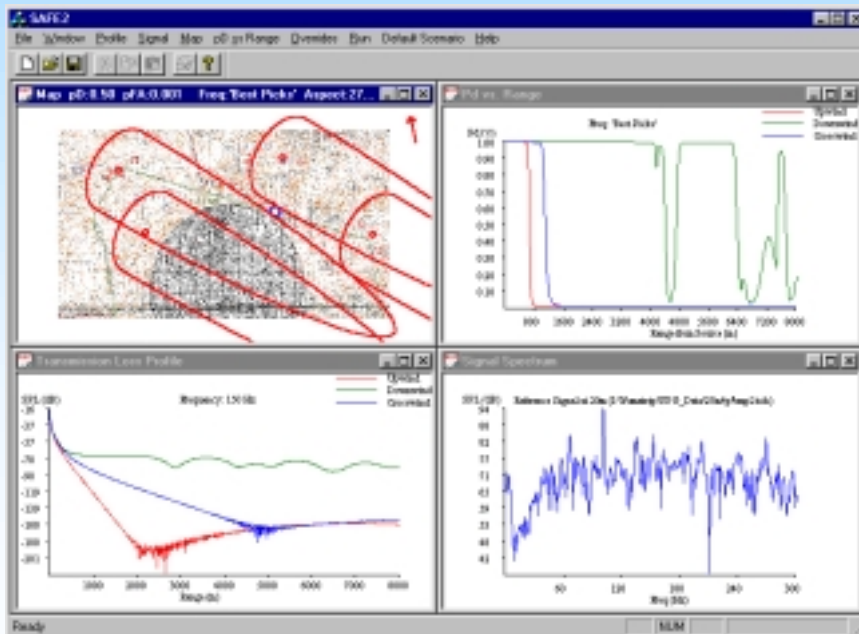
ANC Technical Issues

- ANC Source Size, Power, Robustness
- ANC Unattended Operation
- Survivability Metrics for User
- Track Noise Suppression

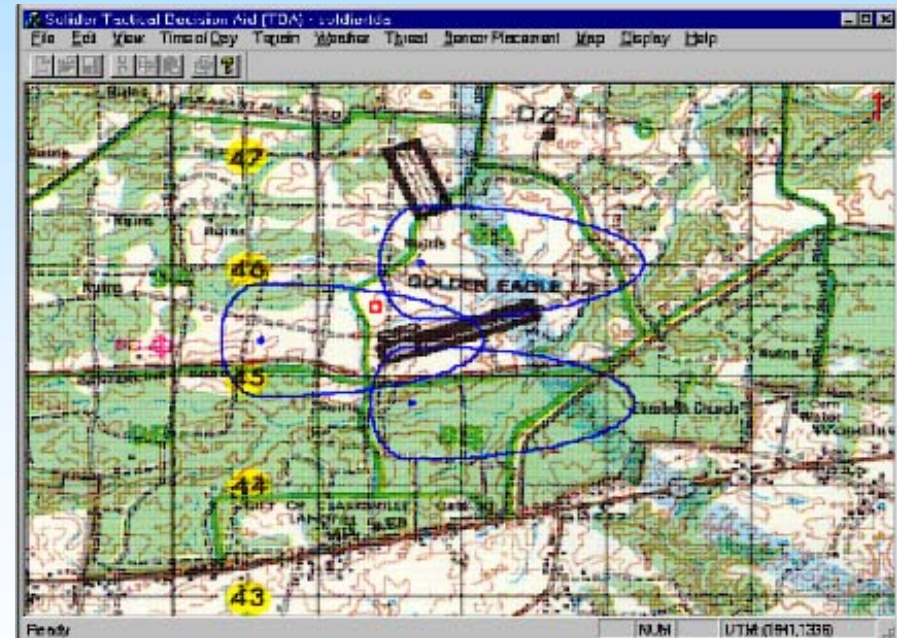
ANC Survivability Metrics

Sound Propagation Modeling key to Detection Prediction

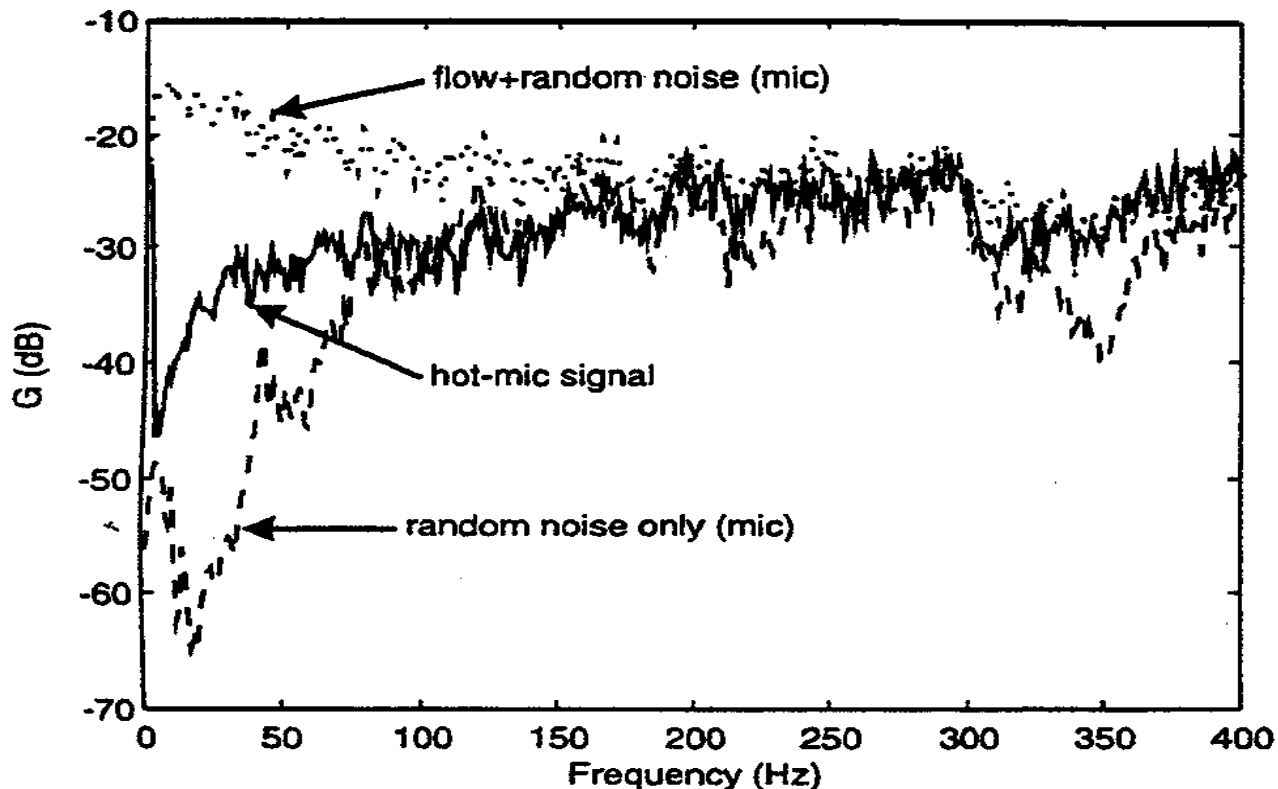
Scientific Analysis Tool



Tactical Decision Aid



Wind Noise Canceling Microphones





Wind Noise Cancellation Issues

- Requires Adaptive Filter - Flow Direction Dependent Noise Cancellation
- Microphone Non-Linearity in High Flow
- Requires Significant Additional Processing Relative to Standard Microphone
- Can Degrade Beamforming Array Coherence